



Product Information Sheet

Monoclonal Anti-Ornithine Decarboxylase (ODC)

Catalogue No. MA1073

Lot No. 08A12

Clone: ODC-22

Ig type: mouse IgG2b

Size: 100µg/vial

Specificity

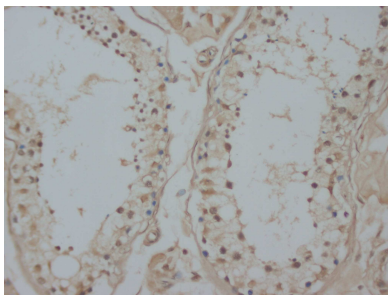
Human.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

Recombinant mouse ornithine decarboxylase.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 4µg/ml with the appropriate system to detect ODC in cells and tissues.

Immunohistochemistry(P)

At 8µg/ml to detect ODC in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

BACKGROUND

Ornithine decarboxylase (ODC), the first enzyme in polyamine synthesis, is a transcriptional target of MYC and a modifier of APC -dependent tumorigenesis. It is located to 2p25. There is considerable genetic homology between a region of mouse chromosome 12 and the distal short arm of human chromosome 2. Complete amino acid sequence of human ornithine decarboxylase deduced from complementary DNA.

REFERENCE

1. Cox, D. R.; Trouillot, T.; Ashley, P. L.; Brabant, M.; Coffino, P. : A functional mouse ornithine decarboxylase gene (Odc) maps to chromosome 12: further evidence of homoeology between mouse chromosome 12 and the short arm of human chromosome 2. Cytogenet. Cell Genet. 48: 92-94, 1988.
2. Hickok, N. J.; Seppanen, P. J.; Gunsalus, G. L.; Janne, O. A. : Complete amino acid sequence of human ornithine decarboxylase deduced from complementary DNA. DNA 6: 179-187, 1987.